Work Order I Friday, May 28, 201											Page J
Revision ID:	535-15 urshoe		Accept					Setup	Start Stop		
	7/2010 Start Qty: 8.00			Cust Item Customer:	ID:	,			-vop	I IRBIIIU	
Approvals: Pro	ocess Plan:	Date: 10-5-28	Tooling: _ SPC (Y/N):		ate:			Run	Start Stop		
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reje Qty		Reject Number	Insp. Stamp
Draw Nbr D3535	Revision Nbr Rev B										
Waterjet FLOW CNC Waterjet		per Dwg D3535 □Dwg Rev: necessary	0.00 0.00 □Prog Rev:	₿ □2-			BI	<u>٥- ٢</u>	-31		
110 QC Quality Control	QC2- Inspect parts of Memo	f machine FAI/FAIB	0.00				HBIO)- <u>Ç</u> ~	3) ([C	<u> </u>	
120 QC	QC8- Inspect parts - s Memo	econd check	00.00 S 00.0	ه د ادر		-	(40)				

Quality Control

W/O:		WORK ORDER CHANGES									
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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<u></u>							-	_			
Part No: PAR #:		PAR #:	Fault Cate	egory:	NCR: Yes	No DQ	A:	Date:			
	R	esolution:	Disposition	on:	QA: N/C C	losed:		Date: _			
NCR:		V	VORK ORD	ER NON-CONFORM	ANCE (NC	R)					
DATE	STEP	Description of NC	lmisical .		tion B		cation	Approval	Approval		
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		on C	Chief Eng	QC Inspector		
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Work Order ID 5923	.36	5923	D :	Ш	ier	ro	O	·K	or	W	1
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Friday, May 28, 2010 9:49:36 AM



Page 2

Item ID:

D3535-15

Accept

Setup Start

Stop



Revision ID:

Item Name:

Required Date: 6/4/2010

Wearshoe

5/27/2010

Start Qty: 8.00

Req'd Qty: 8.00

Cust Item ID: Customer:

Reference:

Start Date:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

Stop

Number

Date:

SPC (Y/N):

Date:

Tool ID

Reject

Qty

Reject Insp.

Stamp

Sequence ID/ **Work Center ID**

130

Brake NC

Brake NC

Operation Description

NC BRAKE

Set Up/ **Run Hours**

0.00

1-Form on Brake as per Dwg D3535 using Jigs DT8261 and DT8326 \(\text{2-Form} \) (0 \(\text{0 G} \) joggle as per Dwg D3535 using Jig DT8158 \(\text{3-Identify as D3535-15} \) Memo

Tool # Plan

Code

Accept

Qty

140

QC

Quality Control

QC5- Inspect part completeness to step on W/O



Powdercoat

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

Memo

0.00

M112588

0.00

=) Il 10/06/03 10 p ____

Powder Coating

Memo START TIME:

S:36 AM DOVEN TEMPERATURE:

C:0004 □FINISH TIME:

	•					•						
W/O:			WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CHAP	IGE	Ву	By Date Qty Approval Chief Eng / Prod Mgr						
4.00												
Part No		PAR #:										
	Res	solution:	Disposition	:	QA: N/C C	losed:		Date: _				
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCI	₹)						
DATE	STEP	Description of NC			ion B	Verific	ation	Approval	Approval			
DATE		Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		Section C	Chief Eng	QC Inspector			

Work Order ID 59236

Friday, May 28, 2010 9:49:36 AM



Page 3

Item ID:

D3535-15

Accept

Setup Start

Stop

Revision ID: Item Name:

Start Date:

Wearshoe

5/27/2010 Start Qty: 8.00

Cust Item ID: Customer:

Required Date: 6/4/2010

Reference:

Process Plan:

Date:

Tooling:

Date:

Run Start

Approvals:

QC:

Date: _____

SPC (Y/N):

Date:__

Stop

Sequence ID/ **Work Center ID**

160

Quality Control

Operation **Description**

QC3- Inspect Part Finish

Req'd Qty: 8.00

Memo

Memo

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

Bk 10-6-3.

170

Packaging

Packaging

Identify as per dwg & Stock Location:

()

180

Quality Control

QC21- Final Inspection - Work Order Release

0.00

0.00

Memo

0.00

10/06/04 A) ps 10-6-03

W/O:			V	VORK OF	RDER CHAN	IGES					
DATE	STEP	PR	OCEDURE CI	HANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	<u> </u>	PAR #:	Fault Ca	itegory:		NC	P: Vos	No. DO	١	Doto	
		esolution:									
NCR:					N-CONFORM						
DATE	STEP	Description of NC				ection B		Verific	ation	Approval	Approval
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Picklist Print

Friday, May 28, 2010 9:49:41 AM

Work Order ID: 59236

D3535-15

Parent Item: Parent Item Name:

Wearshoe

Comments:

IPP Rev:A New Issue 07-02-15 JLM

IPP Rev:B

As per Rev B 07-08-31 JLM

Verified By:EC

Start Date: 5/27/2010

Required Date: 6/4/2010

Start Qty: 8.00

Required Qty: 8.00

Component Item ID/ Item Name

M304S20GA

304/316 .040 Sheet

Item ID	

Replacement	Mfg/			
Item ID	Purch			
	Purchased			

Primary Item Location No

Last Location

Route Seq ID 100

Unit of Measure sf

Qty on Hand 172.9926

Loc Code

Qty per Kit Total Otv 1.0205

Issued 8.593684

Date Issued

Status

Page 1

Qty

Location	Loc Oty
MAT	168.7278
114574	168.7278
MAT20	4.2648
112885	2.7475
113062	1.5173



W/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	By Date Qty Approval Chief Eng / Prod Mgr			Approval QC Inspector			
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Part No:		PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date:				
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NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCI	٦)						
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		Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sect	ion C	Chief Eng	QC Inspector			
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DART AEROSPACE LTD	Work Order:	59739
Description: Wearshoe	Part Number:	D3535-15
Inspection Dwg: D3535 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
1.885	+/-0.010	1.883	8			
2.000	+/-0.010	3.000	6	-		
5.650	+/-0.010	5.650	\$			
9.150	+/-0.010	9.150	8			
14.400	+/-0.010	14,400	አ			Marke III W
19.650	+/-0.010	19.650	ð			
24.900	+/-0.010	24.900	+			
30.150	+/-0.010	30.150	*			
33.650	+/-0.010	33,656	 *			
35.650	+/-0.010	35.650	*	******		
39.150	+/-0.010	39,150	*			
Ø0.188	+0.005/-0.001	,191	8			<u> </u>
24.00	+/-0.030	24.00	n			
16.00	+/-0.030	16.00	¥			
8.00	+/-0.030	8.00	8		-	
5.00	+/-0.030	5,⊗	×			*
0.300	+/-0.010	- 308	½			
0.300	+/-0.010	305	Q =			
0.038	+/-0.010	250,	%	-		

Measured by:	Audited by:	Prototype Approval:	N/A
Date: 10-S-31	Date: 10(06/01	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	07.05.10	New Issue	KJ/JLM	E

W/O:			W	ORK ORDER CHANG	GES			,		
DATE	STEP	PROCEDURE CHANGE				/	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #:								
Resolution:									Date:	
NCR:		\	WORK ORD	ER NON-CONFORM	ANCE (N	ICR)				
DATE	STEP	Description of NC	Corrective Action Section B			Verifica			Approval	Approval
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W/O:			WO	RK ORDER CHAN	GES					<u> </u>
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Part No			Fault Category: NCR: Yes No [10 DQ	A:	<u>D</u> ate:	· · · · · · · · · · · · · · · · · · ·
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NCR:			WORK ORDE	R NON-CONFORM	IANCE	(NCR)				
DATE	STEP	Description of NC		Corrective Action Section B			Verific	cation	Approval	Approval
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W/O:		WORK ORDER CHANGES										
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DATE	STEP	Description of NC	escription of NC Corrective Ac			verif			cation Approval	Approval		
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Dart Aerospace	Ltd:
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DATE STEP PROCEDURE		Ву	Date Q	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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	Category:			İ	
Part No: PAR #: Fault					
Resolution: Dispo				Date: _	
NCR: WORK O	ORDER NON-CONFO	RMANCE (NO	CR)		
	Corrective Action Initial Action Description Chief Eng Chief Eng		Verification Section C	Approval Chief Eng	Approval QC Inspector
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42.40.10

w/0 59234

HELEAS

CHECKED 07.04.17 切 # D3535 WEARSHOE DRAWING NO. DART AEROSPACE PORT HADLOCK.

USA,

NC.

SHEET

SCALE 윾

1:10

22.500 19.000 14.250 9.500 - 6,000 -2.000 1.885 DETAIL A **¢**0.188 (TYP 3 PLS) D3535-31F FLAT PATTERN



D3535-31 BEND DETAIL

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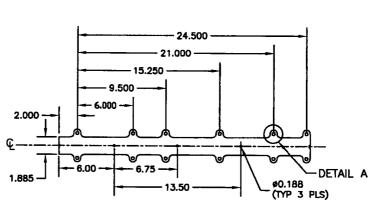
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PURPOSE

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COPIED

- 1) MATERIAL: AISI 304/316 SS SHEET PER AMS 5513 OR AMS 5524, 20 GAUGE (0.038 THICK)
 (REF DART SPEC M304S20GA)
 2) FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER
- QSI 005 4.3
- 3) PART IS SYMMETRICAL ABOUT &
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES TO 0.010 MAX
- IDENTIFY WITH DART P/N USING WHITE FINE POINT PAINT MARKER
- 8) SEE PAGE 7 FOR DETAILS AND SECTION



D3535-33F FLAT PATTERN



W/O:			WC	ORK ORDER CHAN	NGES					
DATE	STEP	PRO	PROCEDURE CHANGE By			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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		PAR #:								
	Res	olution:	Dispositio	າ:	QA: N/C Closed: Date:					
NCR:			WORK ORDI	ER NON-CONFOR	MANCE	(NCR)			
DATE	STEP	Description of NC		Corrective Action Section Initial Action Description		Sign &	Verification		Approval	Approval
		Section A	Chief Eng	Chief Eng		Date	Section	Section C	Chief Eng	QC Inspector
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Dart Aerospace	e Ltd
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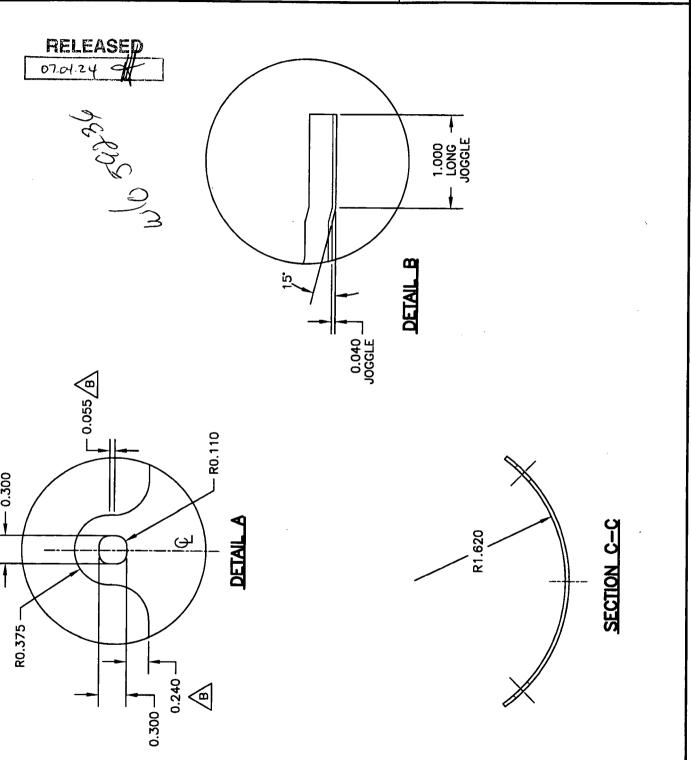
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DATE	STEP	Description of NC	Corrective Action Sect					ation	Approval	Approval
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DESIGN B	DRAWN BY	DART	AEROSPACE USA, INC.
CHECKED	APPROVED #//	DRAWING NO.	REV. B
4		D3535	SHEET 7 OF 7
DATE		TITLE	SCALE
07.04.17		WEARSHOE	1:1



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W/O:			W	ORK ORDER CHANG	ES			
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